Desktop

Latest Information from the NRL Labwide ADP Program and the NRL Systems Support Team

Microsoft Office

The NRL Lab-wide ADP Program has popular Microsoft Office software available. Under the Microsoft Government Select Program; an Office 98 license for the Mac costs $260, upgrade from Office 4.2.1 $96, CD $15, and manual $25. Prices for other Microsoft Products, Jetform FormFlow Filler, and Mathcad can be seen on the web page:

  http://ccs-www.nrl.navy.mil/code5595/
  site-licenses/instructions/volprice.html

You can obtain these items by providing us with a valid job order number. For further details, send e-mail to **bryant2@ccs.nrl.navy.mil** or call *Beverly Bryant*, (202)767-1400.

Software such as

- Eudora Pro
- Communicator Pro
- WinZip
- Norton Antivirus
- McAfee Virus Protector
- Mac OS 8.1
- SAM
- Fetch
- GraphicConverter, etc.

continue to be available without charge. Go to web page:

  http://ccs-www.nrl.navy.mil/cgi-bin/
  site-licenses/nrl-only/license-form.cgi

to electronically download the software. ■

Y2K, *the Year 2000 Problem*

Systems Support Services has established a web page at:

  http://ccs-www.nrl.navy.mil/code5595/
  y2kweb.html

which provides information about Y2K (also known as the year 2000 problem). The page is a work in progress, and it will be updated on an ongoing basis. The following is a sample of information contained on the page.

The Small Computer Program Information Systems Management Activity (ISMA) Y2K site lists the Y2K status of a wide range of popular computers.

  http://scp.hqisec.army.mil/y2kresults.html

The MITRE Y2K site discusses the internal clock and BIOS status of different PCs. This site also lists several Y2K testing software sites.

  http://www.mitre.org/research/
  cots/COMPLIANT_BIOS.html

The DISA (Defense Information Systems Agency) Y2K Test Coordination Site is an information clearinghouse that provides customer assistance on Year 2000 testing. This is the future site for the registration of DISA Y2K testing. It also includes links to the DISA-sponsored Y2K test centers.

  http://www.disa.mil/cio/y2k/cioosd.html

Dell Computer's Y2K site gives detailed Y2K information about Dell products.

  http://www.dell.com/year2000/
  products/prodinf.htm

Gateway's Y2K site gives detailed Y2K information about Gateway products.

  http://www.gateway.com/corp/
  support/cs_techdocs/y2k/

UNIX Y2K information is available at the various vendor's web sites.

Sun Corporation provides product information for Year-2000 compliance, including the latest information concerning Sun's Year-2000 compliant hardware and software products

  http://www.sun.com/y2000/

Kerberos is a network authentication system for users of physically insecure networks, based on a key distribution model. Practically speaking, Kerberos at the lab is mostly used in the applications:

- telnet
- ftp
- eudora (email)

to provide user to host security. The user enters a name/password pair, is granted a ticket, and then uses any kerberized application to communicate with a kerberized host without having to authenticate again (during the lifetime of the ticket). No password goes over the network in plain text.

Systems Support Services will install Kerberos clients for any system at the Lab utilizing kits built by *Ken Horstein* of Code 5591. For those who prefer to do it yourself, these kits are available via anonymous **ftp** at:

ftp://ftp.cmf.nrl.navy.mil/pub/kerberos5

The kits are configured to access the research computers in the **CMF.NRL.NAVY.MIL** realm (logical group of hosts on the net), however they can be easily modified to access the **NRL.NAVY.MIL** realm which is for operational computers.

The Kerberos client kits available for Macs and PCs are:

- krb-mac-eudora.sea.hqx
- krb-mac-telnet.sea.hqx
- krb-win-eudora.exe
- krb5-win32.exe

These kits are **Stuffit** self-extracting archives for Macs and **PkZip** archives for MSDOS/Wintel machines. Downloading, unpacking, and installing the software takes about a half of an hour. On PCs, you run **KRB5.EXE** to get your tickets, then you run **telnet**. The **eudora** plugin will prompt users for their kerberos passwords.

Kerberos client kits are also available for UNIX boxes. The UNIX client install is slightly more complicated than the PC/Mac install; however it should take no more than one hour to complete.
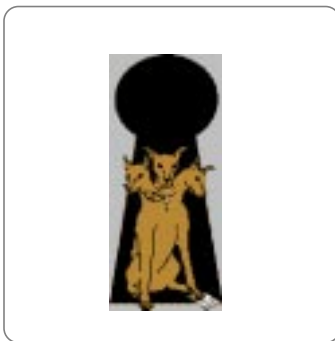
The name Kerberos comes from Greek mythology; it is the three-headed dog that guarded the entrance to Hades.

Single-user systems, i.e. PCs or Macs, will only use application-specific Kerberos client software. UNIX systems are multi-user, so they may opt for for just kerberizing the software which accesses remote hosts (i.e. client level) or they may become fully kerberized hosts which allow/require incoming communication to be kerberized as well. Requests for fully kerberized UNIX hosts will be handled on a case-by-case basis. Support services is also prepared to answer questions about Kerberos server configuration and installation.

A kerberized pop server is planned for the **ccs.nrl.navy.mil** lab-wide email server. Since many users will be affected by the change, the installation will be timed to keep the interruption of service as low as possible.

Send email to **ccshelp@nrl.navy.mil** to request kerberos support. ■

Hewlett Packard provides a look the Year 2000 problem, its causes, and a complete rundown on the Y2K status of HP computer products: hardware, operating systems, and applications software -- as well as tips for planning to make your HP system Y2K-compliant.

http://www.hp.com/year2000

IBM provides an interactive database of the Y2K status of IBM's hardware and software status.

http://www.ibm.com/IBM/year2000/facts/position.html

The Digital OpenVMS site covers Y2K information on systems, network and storage components, operating systems and layered software.

http://www.openvms.digital.com/openvms/products/year-2000/y2k_rel_notes.html

The Digital UNIX site contains information about the Year 2000 program for Digital UNIX products, including the Year 2000 readiness of Digital UNIX Version 4.0D. Specific Year 2000 updates and features included in Digital UNIX Version 4.0D are detailed and testing methodologies and guidelines are provided. Information about Year 2000 enhancements for prior versions of Digital UNIX is also provided. The Digital UNIX Year 2000 Analysis Tool can be found at this site.

http://www.unix.digital.com/unix/year2000/

The SGI site contains Y2K information about the Y2K compliance of Silicon Graphics products.

http://www.sgi.com/Technology/year2000/

For workstation and personal computer Y2K support at the Lab, please send email to **syssupport@nrl.navy.mil**. ■

NRL Lab-wide Software

The Lab-wide ADP Program acquires computer software on a laboratory-wide basis in order to save researchers time and money. The table in the right column lists the current lab-wide software, most of which is available **free** to NRL personnel. Contracts 16, 17, 18 and 19 are for volume discount licenses, meaning that you will have to pay out of pocket for the software products. However, by going through the Lab-wide ADP Program you will still get the software faster and at a better price.

The point of contact for NRL Lab-wide software is Beverly Bryant, phone (202) 767-1400.

	Lab-wide Software	Software Description
1.	NCAR Graphics Software	UNIX (contact David Bressan on 767-3886)
2.	Open Software Foundation	Lab-wide membership
3.	Graphic Converter	image file conversion on Mac
4.	Norton Antivirus, SAM	virus scanner for Win 3.1, 95 & NT, Mac
5.	Eudora Pro	email software on PC or Mac
6.	Exodus	X-server for Windows or Mac
7.	Mac OS8	Mac operating system
8.	MacTCP software	(included with new Mac OS)
9.	MacSLIP software	(included with new Mac OS)
10.	Netscape	web browser
11.	WinQvt/Net	TCP/IP services for Windows
12.	Fetch	Mac FTP utility
13.	McAfee Virus Protector	virus scanner for Win 3.1, 95, NT, OS2, Mac
14.	WinZip	file compression / uncompression for windows
15.	Co-Xist software	X implementation for NEXTSTEP
16.	Microsoft (multiple products)	microsoft products for pc, Mac
17.	Norton Utilities	disk management for Win 95
18.	MathCad	numeric and calculation visualization tool
19.	Jetform Formflow Filler	for NRL forms

TABLE 1. Lab-wide Software

The table lists each software contract and a brief description of the software products available. For an on-line listing, see the Code 5595 web page (**http://ccs-www.nrl.navy.mil/code5595**) and follow the link **Site Licenses**. This will take you to the form page.

To submit a request via the web for Lab-wide software, click on any of the software links on the (above) web page. If you select a product with a **$** in the description, you will be linked to a web page with pricing details. Next enter your name, code, and email address. When you submit the request, you will be given downloading instructions.

Typically the Lab-wide contract is for a large, but limited, number of copies of the software product. Therefore, availability may be limited for some software at times. The point of contact for NRL Lab-wide software is *Beverly Bryant*, phone (202) 767-1400. The Lab-wide ADP program is administered by Code 5595. ∎

System Administration Support

The System Support group provides system administration support to the Laboratory for the following platforms:

- HP HP-UX
- IBM AIX
- SGI Irix
- Sun Solaris
- SunOS
- DEC Digital UNIX
- Novell
- NT
- Macintosh
- Linux

Services provided upon request include:

- planning

- installing and updating Windows operating system

- configuring the system on the network

- establishing backup and the security procedures

- installing Andrew File System (AFS) client software

- installing other software

Full time system administration can also be arranged. Only the cost of the service is charged, there is no need to pay for/tie up a full time position.

If you are interested in system administration support, please send email to syssupport@nrl.navy.mil. ∎

Email distribution lists facilitate sending mail to groups of people by specifying a single email address. Systems Support Services (Code 5595) maintains a number of official email lists which are available to all NRL employees.

To use any of the email addresses below, simply append "**@ccs.nrl.navy.mil**" to the name of the group.

For instance, if you want to send email to all NRL admin officers use the address:

aolist@ccs.nrl.navy.mil

If you have been using an address of the form **@ccf.nrl.navy.mil**, you should update it to the form of **@ccs.nrl.navy.mil** now. The "ccf" referred to the old Central Computing Facility, which has been disestablished. The "ccs" refers to the Center for Computational Science (Code 5590).

The CCS does not determine who or what office is included in any particular email list. That is the responsibility of the appropriate administrative authority. For details about various NRL distribution lists, please refer to NRLINST 5605.3E.

If you have a question about email support or you are interested in establishing a new email distribution list, please send email to **sysupport@nrl.navy.mil**. ∎

GROUP	MEMBERSHIP
abdist	NRL distribution lists A & B, branch heads and above
adist	NRL distribution list A
adors	associate directors of research
aolist	admin officers
deputies	deputy division heads
divisionheads	division heads
few-members	federally employed women
military	nrl military officers
offaoc	admin officers council
rac	research advisory council
wisenet	women in science & engineering

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